

**AMENDMENTS TO THE CLAIMS**

1. - 15 (Canceled)

16. (Currently Amended) An isolated nucleic acid, wherein SEQ ID NO: 399738 comprises the nucleic acid, and wherein ~~consisting of X nucleotides wherein X is 19-140~~ and the sequence of the nucleic acid comprises a sequence selected from the group consisting of:

- (a) ~~at least Y consecutive nucleotides of SEQ ID NO: 399738 wherein Y is at least 19~~any one of the sequences as set forth in SEQ ID NO: 399404, 399423, 399424, 399427, 399441, 14005, 14011, 14020, 14039, 14046, or 14051;
- (b) ~~an RNA equivalent of (a)~~a DNA encoding the sequence of (a), wherein the DNA is identical in length to (a);
- (c) a sequence at least 80% identical to (a) or (b); ~~or~~and
- (d) the complement of any one of (a)-(c), wherein the complement is identical in length to (a).

17. (Currently Amended) The nucleic acid of claim 16, wherein the ~~at least Y nucleotides is of a sequence selected from the group consisting of~~sequence of (a) is the sequence as set forth in SEQ ID NOS: 399404, 399423, 399424, 399427, and 399441NO: 399424.

18. (Currently Amended) The nucleic acid of claim 16, wherein the ~~at least Y nucleotides is of a~~sequence of (a) is the sequence as set forth in SEQ ID NO: 14051.

19. - 21 (Canceled)

22. (Currently Amended) A vector comprising ~~an insert, wherein an insert consists of the nucleic acid of claim 16~~16.

23. (Currently Amended) A vector comprising ~~an insert, wherein an insert consists of the nucleic acid of claim 17~~17.

24. (Canceled)

25. (New) A vector comprising the nucleic acid of claim 18

26. (New) A probe comprising the nucleic acid of claim 16.

27. (New) A probe comprising the nucleic acid of claim 17

28. (New) A probe comprising the nucleic acid of claim 18.